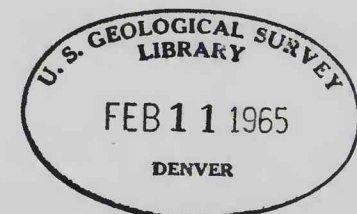


(200)
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2

System	Series	Formation	Approximate thickness (feet)	Physical character	Hydrologic Comments
Quaternary	Pleistocene	(undifferentiated)	0-100	Buff to brown, poorly-to well-sorted sand, gravel, silt and clay. Generally thin and irregularly distributed.	Not major aquifer but hydrologically important because of its surface distribution.
Tertiary	Miocene	Cohansey sand	0-200	Coarse to fine sand with lenticular clay beds.	In most places a permeable aquifer. In places unconfined with direct recharge. Toward the southeast it contains artesian water.
		Kirkwood	15-190	Light-colored, fine-to medium-grained sand with some clay.	Includes at least two significant artesian aquifers. Widely used and water of good quality.
	Eocene	Manasquan marl	0-25	Fine sand mixed with greenish-white clay.	Not an aquifer but not sufficiently impermeable to be a good aquiclude.
		Vincentown sand	25-100	Calcareous sand and glauconitic-quartz sand.	A minor aquifer of local importance in southwestern New Jersey.
		Hornerstown marl	0-30	Glauconitic sand and clay.	Moderately impermeable.
Cretaceous	Upper Cretaceous	Red Bank sand and Navesink marl	0-150	Yellow sand of limited extent (Red Bank) and glauconitic clay and sand (Navesink).	Navesink is moderately impermeable.
		Mount Laurel and Wenonah sands.	40-80	Fine-to-medium-grained quartz glauconitic sands.	The two formations function together as a single aquifer.
		Marshalltown formation, English-town sand, Woodbury clay, and Merchantville clay.	50-200	Of the 4 formations, only the Englishtown contains significant amounts of sand.	Relatively impermeable as a group, although Englishtown is an aquifer.
		Magothy and Raritan formations		Light-colored fine-to medium-grained quartz sands and some gravel. Varicolored lenticular clay beds separate sand deposits.	Heavily-developed aquifers, yielding water of good quality, except in southeastern part of State where water is brackish.

Pre-Cretaceous igneous and metamorphic rocks, and perhaps consolidated sediments of Triassic age in places

Table 5. GENERALIZED DESCRIPTION OF FORMATIONS AND THEIR HYDROLOGIC CHARACTERISTICS IN NEW JERSEY



PLEASE REPLACE IN POCKET
IN BACK OF BOUND VOLUME